



INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics

INTEGERS

Worksheet (DTQ)_2022-23

Descriptive Questions-Short Answer Type (1 mark each)

- Q.1.** Represent the following numbers as integers with appropriate sign:
a) Decreasing a weight of 10 kg
b) Going 40 km to the east
- Q.2** Write the opposite of the following:
a) 25°C above 0°C temperature.
b) Loss of ₹ 650
- Q.3** Nicky went 45m toward north and then 200 m toward south. What is her position from the starting point?

Descriptive Questions-Short Answer Type (2 marks each)

- Q.4** Represent $6 + (-4) + (-1)$ on a number line:
- Q.5** Arrange the following numbers in ascending order:
 $15, -15, 10, -10, 3, -3, 1, -1, 0$
- Q.6** The maximum temperature was $+5^{\circ}\text{C}$ at night. In the morning it fell by 4°C . What was the temperature in the morning?

Descriptive Questions-Short Answer Type (3 marks each)

- Q.7** Add without number line:
a) $(-9) + 6$
b) $(-10) + (-19)$
- Q.8** Draw a number line and answer the following:
a) Which number will we reach if we move 5 numbers left to 1?
b) Which number will we reach if we move 6 numbers to the right of (-3) ?
c) If we are at (-5) on the number line, in which direction should we move to reach 1?
- Q.9** Compare the following pair of numbers using $>$ or $<$:
a) (-3) (-8)
b) (1) (-100)
c) (-10) (10)

Q.10	Write all the integers between the given pairs (Write them in the ascending order): a) (-7) and 0 b) (-3) and 3 c) 4 and 10												
Q.11	Represent the following integers on a number line: $+3, -7, 0, -1$												
Descriptive Questions Type 2 (4 marks each)													
Q.12	In a quiz show, team A scored $-35, 20, 15$ and team B scored $20, 35, -15$ in three successive rounds, which team scored more? And by how much?												
Q.13	Find: $[(-33) - (-27)] + [(-132) - (-140)]$												
Q.14	The following table shows the temperature in different places. Answer the following questions: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Places</th> <th style="text-align: center;">Temperature in $^{\circ}\text{C}$</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Amsterdam</td> <td style="text-align: center;">4°C</td> </tr> <tr> <td style="text-align: center;">Cape Town</td> <td style="text-align: center;">20°C</td> </tr> <tr> <td style="text-align: center;">Toronto</td> <td style="text-align: center;">-16°C</td> </tr> <tr> <td style="text-align: center;">Mosco</td> <td style="text-align: center;">-17°C</td> </tr> <tr> <td style="text-align: center;">New York</td> <td style="text-align: center;">-6°C</td> </tr> </tbody> </table> <p>a) Write the temperature in order, from coldest to warmest. b) What is the difference in temperature between the warmest and coldest places? c) How much colder is Toronto than New York?</p>	Places	Temperature in $^{\circ}\text{C}$	Amsterdam	4°C	Cape Town	20°C	Toronto	-16°C	Mosco	-17°C	New York	-6°C
Places	Temperature in $^{\circ}\text{C}$												
Amsterdam	4°C												
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Q.15	Write down the temperature for the following situations: a) Bianca poured a glass of tea that was 87°F . After she added some ice cubes, the temperature dropped 71°F . How much did the ice cool down her tea? b) Bobby travelled 15 km towards east, then he travelled towards west 35 km. Which position is Bobby now? Write with an integer.												

Answers

Answers	1	(-10)	2	(+40) km	3.	a) 25°C below 0°C temperature. b) Profit of ₹ 650	4	155 km south
	5	-15, -10, -3, -1, 0, 1, 3, 10, 15	6	+1°C	7	a) (-9) b) (-29)	8	a) (-4) b) (+3) c) <i>Right</i>
	9	a) > b) > c) <	10	a) (-6), (-5), (-4), (-3), (-2), (-1) b) (-2), (-1), 0, 1, 2 c) 5, 6, 7, 8, 9, 10	11		12	Team B-40
	13	14	14	a) -17°C, -16°C, -6°C, 4°C, 20°C b) 37°C c) 10°C	15	a) 16°F b) (-20)km		
